

REMARKS

I. Form PTO 1449

Applicants respectfully request confirmation that the Examiner has reviewed and considered the English Translation of French Publication No. 2 609 841. Applicants request the Examiner's initials where appropriate on the Form PTO-1449 originally filed on October 10, 2002.

II. Amendment of the Abstract

The Abstract has been amended for clarity.

III. Status of the Claims

Claims 2-21, 28, 30, 32, and 33 are pending in this application. Claims 1, 27, 29, and 31 have been cancelled. Claims 22-26 have been withdrawn as a result of an earlier restriction requirement. In view of the Examiner's earlier restriction requirement, Applicants retain the right to present claims 22-26 in a divisional application.

The Examiner has rejected claims 2-21 and 27-32. Claim 33 is added herein.

IV. Rejections Under 35 U.S.C. § 103

A. Claims 2-4, 6, 10, and 27-30

The Examiner has rejected claims 2-4, 6, 10, and 27-30 under 35 U.S.C. § 103(a) "as being unpatentable over Zimmerman (U.S. 5,172,213) as applied to claim 1 above [sic], and further in view of Long et al. (U.S. 5,175,612)." Applicants respectfully traverse these rejections.

Claim 27 has been cancelled. Claims 2, 4, 6, and 28 depend directly or indirectly from claim 3, which is directed to an integrated circuit package that includes, *inter alia*, "a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending

finger when viewed from a top of said package, said extending finger comprising said side portion... .”

Claim 29 has been cancelled. Claim 30 depends from claim 10, which is directed to an integrated circuit package that includes, *inter alia*, “a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending finger when viewed from a top of said package, said extending finger comprising said side portion... .”

Applicants respectfully submit that neither Zimmerman nor Long *et al.*, either individually or in combination with one another, discloses or suggests an integrated circuit package that includes a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending finger when viewed from a top of said package, said extending finger comprising said side portion. Because neither Zimmerman nor Long *et al.* discloses or suggests such an integrated circuit package, Applicants respectfully submit that claims 3, 10, and all claims depending from claims 3 and 10 are not rendered obvious by the Examiner’s combination of Zimmerman with Long *et al.*

Accordingly, Applicants submit that claims 2-4, 6, 10, 28 and 30 are in condition for allowance, and respectfully request that the rejections of these claims be withdrawn and a timely Notice of Allowance be issued in this case.

B. Claims 5 and 7

Claims 5 and 7 have been rejected under 35 U.S.C. § 103(a) “as being unpatentable over Zimmerman (U.S. 5,172,213) as applied to claim 1 and 6 above [sic], and further in view of Ference *et al.* (U.S. 6,265,771).” Applicants respectfully traverse these rejections.

Claims 5 and 7 depend directly or indirectly from claim 3. Claim 3 is directed to an integrated circuit package that includes, *inter alia*, “a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending finger when viewed from a top of said package, said extending finger comprising said side portion... .”

Applicants respectfully submit that neither Zimmerman nor Ference *et al.* discloses or suggests an integrated circuit package that includes a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending finger when viewed from a top of said package, said extending finger comprising said side portion. Thus, Applicants respectfully submit that neither claim 5 nor claim 7 is rendered obvious by the Examiner’s combination of Zimmerman with Ference *et al.*

Accordingly, Applicants submit that claims 5 and 7 are in condition for allowance, and respectfully request that the rejections of claims 5 and 7 be withdrawn and that a timely Notice of Allowance be issued.

C. Claims 8 and 9

Claims 8 and 9 have been rejected under 35 U.S.C. § 103(a) “as being unpatentable over Zimmerman (U.S. 5,172,213) as applied to claim 1 above [sic], and further in view of Daves *et al.* (U.S. 6,091,603).” Applicants respectfully traverse these rejections.

Claims 8 and 9 each depend from claim 3, which is directed to an integrated circuit package that includes, *inter alia*, “a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending finger when viewed from a top of said package, said extending finger comprising said side portion... .”

Applicants respectfully submit that neither Zimmerman nor Daves *et al.* discloses or suggests an integrated circuit package including a heat sink comprising a top portion and a

side portion, said heat sink further comprising an extending finger when viewed from a top of said package, said extending finger comprising said side portion. Thus, Applicants respectfully submit that neither claim 8 nor claim 9 is rendered obvious by the Examiner's combination of Zimmerman with Daves *et al.*

Accordingly, Applicants submit that claims 8 and 9 are in condition for allowance, and respectfully request that the rejections of claims 8 and 9 be withdrawn and that a timely Notice of Allowance be issued on this case.

D. Claims 11-13, 15, 20, 21, 31, and 32

Claims 11-13, 15, 20, 21, 31, and 32 have been rejected under 35 U.S.C. § 103(a) "as being unpatentable over Lai *et al.* (U.S. 6,236,568) in view of Long *et al.* (U.S. 5,175,612)." Applicants respectfully traverse these rejections.

Claim 31 has been cancelled. Claims 12, 13, 15, 20, and 32 depend from claim 11, which is directed to an integrated circuit package that includes, *inter alia*, "a heat sink comprising a top portion and a plurality of side portions, said heat sink further comprising a plurality of extending fingers when viewed from a top of said package, each extending finger comprising at least one of said side portions."

Claim 21 is directed to an integrated circuit package that includes, *inter alia*, "a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending finger when viewed from a top of said package, said extending finger comprising said side portion."

Applicants respectfully submit that neither Lai *et al.* nor Long *et al.* discloses or suggests an integrated circuit package including a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending finger when viewed from a top of said

package, said extending finger comprising said side portion. Thus, Applicants respectfully submit that neither claim 11 nor claim 21 is rendered obvious by the Examiner's combination of *Lai et al.* with *Long et al.*

Accordingly, Applicants submit that claims 11-13, 15, 20, 21, and 32 are in condition for allowance, and respectfully request that the rejection of these claims under 35 U.S.C. § 103 be withdrawn and that a timely Notice of Allowance be issued in this case.

E. Claim 14

Claim 14 has been rejected under 35 U.S.C. § 103(a) "as being unpatentable over *Lai et al.* (U.S. 6,236,568) and *Long et al.* (U.S. 5,175,612) as applied to claim 11 above, and further in view of *Fercence et al.* (U.S. 6,265,771)." Applicants respectfully traverse this rejection.

Claim 14 depends indirectly from claim 11.

As discussed above, Applicants respectfully submit that neither *Lai et al.* nor *Long et al.* discloses or suggests an integrated circuit package including a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending finger when viewed from a top of said package, said extending finger comprising said side portion. Thus, Applicants respectfully submit that claim 14 is not rendered obvious by the Examiner's combination of *Lai et al.* with *Long et al.*

Accordingly, Applicants submit that claim 14 is in condition for allowance, and respectfully request that the rejection of this claim under 35 U.S.C. § 103 be withdrawn and that a timely Notice of Allowance be issued in this case.

F. Claim 16

Claim 16 has been rejected under 35 U.S.C. § 103(a) "as being unpatentable over Lai et al. (U.S. 6,236,568) and Long et al. (U.S. 5,175,612) as applied to claim 11 above, and further in view of Daves et al. (U.S. 6,091,603)." Applicants respectfully traverse this rejection.

Claim 16 depends from claim 11.

As discussed above, Applicants respectfully submit that neither Lai *et al.*, Long *et al.*, nor Daves *et al.* discloses or suggests an integrated circuit package including a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending finger when viewed from a top of said package, said extending finger comprising said side portion. Thus, Applicants respectfully submit that claim 16 is not rendered obvious by the Examiner's combination of Lai *et al.* with Long *et al.* and Daves *et al.*

Accordingly, Applicants submit that claim 16 is in condition for allowance, and respectfully request that the rejection of this claim under 35 U.S.C. § 103 be withdrawn and that a timely Notice of Allowance be issued in this case.

G. Claim 17

Claim 17 has been rejected under 35 U.S.C. § 103(a) "as being unpatentable over Lai et al. (U.S. 6,236,568) and Long et al. (U.S. 5,175,612) as applied to claim 11 above, and further in view of Zimmerman et al. (U.S. 5,172,213)." Applicants respectfully traverse this rejection.

Claim 17 depends from claim 11.

As discussed above, Applicants respectfully submit that neither Lai *et al.*, Long *et al.*, nor Zimmerman discloses or suggests an integrated circuit package including a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending finger

when viewed from a top of said package, said extending finger comprising said side portion.

Thus, Applicants respectfully submit that claim 17 is not rendered obvious by the Examiner's combination of *Lai et al.* with *Long et al.* and *Zimmerman*.

Accordingly, Applicants submit that claim 17 is in condition for allowance, and respectfully request that the rejection of this claim under 35 U.S.C. § 103 be withdrawn and that a timely Notice of Allowance be issued in this case.

H. Claim 18 and 19

Claims 18 and 19 have been rejected under 35 U.S.C. § 103(a) "as being unpatentable over *Lai et al.* (U.S. 6,236,568) and *Long et al.* (U.S. 5,175,612) as applied to claim 11 above, and further in view of *Shin et al.* (U.S. 5,854,511)." Applicants respectfully traverse these rejections.

Claims 18 and 19 depend directly or indirectly from claim 11.

Applicants respectfully submit that neither *Lai et al.*, *Long et al.*, nor *Shin et al.* discloses or suggests an integrated circuit package including a heat sink comprising a top portion and a side portion, said heat sink further comprising an extending finger when viewed from a top of said package, said extending finger comprising said side portion. Thus, Applicants respectfully submit that claims 18 and 19 are not rendered obvious by the Examiner's combination of *Lai et al.* with *Long et al.* and *Shin et al.*

Accordingly, Applicants submit that claims 18 and 19 are in condition for allowance, and respectfully request that the rejection of these claims under 35 U.S.C. § 103 be withdrawn and that a timely Notice of Allowance be issued in this case.

V. Conclusion and Request for Reconsideration

Applicants request reconsideration of the instant application in view of the aforementioned amendments and remarks. Although other features of the claims in the present application are also significant, Applicants respectfully submit that the claims are allowable for at least the aforementioned reasons. Accordingly, Applicants respectfully request that the rejections under §103 be withdrawn and that the pending claims be allowed.

In the event that a telephone conference would advance examination of this application, the Examiner is invited to contact the undersigned at the number provided.

VI. Authorization

Applicants have submitted herewith a Petition for Extension of Time, which requests a two month extension of time for filing this Amendment and Request For Reconsideration. In the event that the Commissioner determines that additional fees are due for these papers, the undersigned hereby authorizes the Commissioner to charge any fees required therefor to Milbank's deposit account no. 13-3250, order no. 36080-00800. A DUPLICATE COPY OF THIS PAGE IS ENCLOSED HEREWITH.

Respectfully submitted,
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November 14, 2003

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